

NWS Form E-5

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(PRES. BY NWS Instruction 10-924)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

HYDROLOGIC SERVICE AREA (HSA)
San Juan, Puerto Rico

MONTHLY REPORT OF HYDROLOGIC CONDITIONS

REPORT FOR:
MONTH YEAR
May 2012

TO: Hydrologic Information Center, W/OS31
NOAA's National Weather Service
1325 East West Highway
Silver Spring, MD 20910-3283

SIGNATURE
Althea Austin-Smith,
Service Hydrologist
DATE
06/13/2012

When no flooding occurs, include miscellaneous river conditions below the small box, such as significant rises, record low stages, ice conditions, snow cover, droughts, and hydrologic products issued (NWS Instruction 10-924).

☐ An X inside this box indicates that no flooding occurred within this hydrologic service area.

Summary: The San Juan ASOS reported 5.28 inches of rain for the month of May; 0.62 inches less than the normal of 5.90 inches. The ASOS rainfall report from Cyril E. King Airport in St. Thomas was 6.72 inches for the month of May; 3.66 inches greater than the normal of 3.06 inches.

"May 2012 began with an upper level trough combined with a surface trough and deep tropical moisture to produce scattered showers and isolated thunderstorms across the local area during the first week of the month. Days after, a normal pattern prevailed across the area with afternoon showers and thunderstorms across the interior and western portions of Puerto Rico. Around the 20th, a high pressure ridge established across the area, and brought fair and mainly dry weather conditions across the islands. This tranquil weather pattern prevailed until the last week of the month, when a bit wetter pattern returns once again across the forecast area."

Please see (<http://www.srh.noaa.gov/sju/?n=May2012cr>) for May's Climate Report.

Saint Thomas reported almost double its May monthly rainfall "normal" and while some flooding was experienced, it paled in comparison to the flooding experienced in Puerto Rico during a "near normal" month. What the airport rainfall statistics don't show is the extremely localized rainfall events caused by the interaction between upper level dynamics...deep tropical moisture and local effects...to produce these high intensity localized rainfall events...which created enough runoff to produce flash flooding and mudslides in numerous municipalities across Puerto Rico at various times during the month. The most significant events were in Guaynabo...the Puerto Nuevo basin...Comerio...the De La Plata basin and in Utuado...Rio Jajuya in the Rio Grande de Arecibo basin.

In the Guaynabo section of the San Juan metro area...along Rio Piedras in the Puerto Nuevo Basin, moderate flooding was noted and flash flooding caused evacuations and lots of property damage on May 18th. Flash flooding also led to bridge, infrastructure damage and evacuations in many sectors of Comerio along the tributaries of Rio De La Plata. There was a fatality on Lago Caonillas in Utuado when a fisherman died during a night fishing trip. *(The details are in the LSR report below and the crests can be found in [May's Flood Stage Report](#).)*

The approximate amounts of Hydrologic Products issued during the month of May are as follows:

Non-Routine Hydrologic Products Issued:	Approximate number of Products for the month
Hydrologic Outlooks (SJUESFSJU)	0
Flood Watches (SJUFFASJU)	7
Flood Warnings (SJUFLWSJU)	16
Flash Flood Warnings (SJUFFWSJU)	13
Flash Flood Statements (SJUFFSSJU)	11
Urban/Small Stream Flood Advisories (SJUFLSSJU)	218

Local Storm Reports for May 2012

..TIME...	...EVENT...	...CITY LOCATION...	...LAT.LON...
..DATE...MAG....	..COUNTY LOCATION..ST..	...SOURCE....
..REMARKS..			
0700 PM 05/05/2012	FLOOD	NAGUABO NAGUABO	18.21N 65.74W PR EMERGENCY MNGR
TWO VEHICLES TRIED TO CROSS A ROAD FLOODED BY THE WATERS OF BLANCO RIVER...THREE PEOPLE RESCUED BY PR EMERGENCY OFFICIALS. NO CASUALTIES.			
0600 PM 05/06/2012	FLOOD	UTUADO UTUADO	18.27N 66.71W PR EMERGENCY MNGR
FISHERMAN HIT BY WATER SURGE IN JAYUYA RIVER IN UTUADO. NEAR ROAD PR-607 AND CAONILLAS LAKE. ONE FATALITY.			
0914 PM 05/07/2012	FLOOD	VEGA ALTA VEGA ALTA	18.42N 66.32W PR EMERGENCY MNGR
PORTIONS OF ROAD 690 AND ROAD 676 WERE FLOODED BY THE CREEK/QUEBRADA HONDA.			
0600 PM 05/08/2012	FLASH FLOOD	COMERIO COMERIO	18.22N 66.22W PR EMERGENCY MNGR
RIO DE LA PLATA IN COMERIO FLOODED TWO BRIDGES. ONE IN ROAD 156 BARRIO HIGUERO SEVERAL FAMILIES UNCOMMUNICATED. THE OTHER IN THE INTERSECTION OF ROADS 156 AND 776 IN BARRIO RIO HONDO. NO CASUALTIES.			
0810 AM 05/10/2012	FLASH FLOOD	FAJARDO FAJARDO	18.33N 65.66W PR EMERGENCY MNGR
PREMA REPORTED THAT HIGHWAYS 3 AND 53 TO AND FROM CEIBA AND FAJARDO WERE COMPLETELY FLOODED, INCLUDING THE FRONTAGE ROADS.			

1000 AM 05/10/2012	FLASH FLOOD	YABUCOA YABUCOA	PR	18.05N 65.88W EMERGENCY MNGR
HIGHWAY 901 WAS IMPASSABLE IN FRONT OF BANCO POPLAR.				
1000 AM 05/10/2012	FLASH FLOOD	YABUCOA YABUCOA	PR	18.05N 65.88W EMERGENCY MNGR
HIGHWAY 901 WAS IMPASSABLE IN FRONT OF BANCO POPULAR.				
1000 AM 05/10/2012	FLASH FLOOD	1 SE YABUCOA YABUCOA	PR	18.04N 65.87W EMERGENCY MNGR
HIGHWAY 901 IMPASSABLE AT CAMINO NUEVO				
1000 AM 05/10/2012	FLASH FLOOD	5 S HUMACAO YABUCOA	PR	18.08N 65.82W EMERGENCY MNGR
HIGHWAY 906 FLOODED AT PALMAS DEL MAR				
1000 AM 05/10/2012	FLASH FLOOD	2 S HUMACAO HUMACAO	PR	18.13N 65.82W EMERGENCY MNGR
INTERSECTION OF HIGHWAYS 53 AND 927 WAS IMPASSABLE.				
0400 PM 05/18/2012	FLASH FLOOD	GUAYNABO GUAYNABO	PR	18.39N 66.11W EMERGENCY MNGR
35 RESIDENTS OF CALIFORNIA STREET IN THE MAYORCA URBANIZATION WERE REMOVED FROM THEIR HOMES AND TAKEN TO AN ELDERLY CENTER FOR SHELTER.				
0400 PM 05/18/2012	FLASH FLOOD	GUAYNABO GUAYNABO	PR	18.39N 66.11W EMERGENCY MNGR
SAN PATRICIO AVENUE...SAN JOSE STREET NEAR SAN FRANCISCO CONDOMINIUM...LOS FILTROS AVENUE AND ALTAMIRA AVENUE WERE ALL FLOODED AND IMPASSABLE.				
0320 PM 05/18/2012	FLASH FLOOD	GUAYNABO GUAYNABO	PR	18.39N 66.11W PUBLIC
WATER ENTERED CHURCH ON GROUND FLOOR OF PLAZA LAS JARDINES UP TO 2 FEET DEEP AS REPORTED BY PERSONS IN BUILDING.				

For monthly "radar totals" use the archive of the Advanced Hydrologic Prediction Service (AHPS) - click on the Precipitation interface for San Juan, Puerto Rico and request the duration you would like to view...daily or monthly remembering that the 24 hour totals are from 12z – 12z (8am to 8am in PR) - [AHPS archive of radar totals/ images](#) . Here are the [May 2012 totals](#).